

3.600 St. Lc : County
West Lake Sanitary Landfill

JOHN ASHCROFT
Governor

FREDERICK A. BRUNNER
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks and
Historic Preservation

West Lake LDF
ID: M80079900932
Book: 11-2
Other: 2
1-24-86

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WASTE MANAGEMENT
PROGRAM

January 24, 1986

Mr. William Whitaker, President
West Lake Landfill, Inc.
13570 St. Charles Rock Road
Bridgeton, Missouri 63044

Dear Mr. Whitaker:

Enclosed is a report of an inspection conducted at the West Lake Sanitary Landfill on January 15, 1986. Unsatisfactory features were detected as indicated on the report.

Please provide a written response to this office within 30 days outlining the steps taken to correct these problems.

Should you have any questions concerning this report, please contact Joe Haake at the St. Louis Regional Office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Walt Puryear

Walt Puryear
Chief - Waste Management Unit

WP:mc
Encl.

CC: Central Office - WMP
City of Bridgeton
St. Louis County Health Department

40249200



SUPERFUND RECORDS

DNR 0069

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SOLID WASTE FACILITY INSPECTION REPORT

FACILITY

West Lake Landfill, Inc., Sanitary Landfill
St. Louis County
MDNR Permit #: 118912

INTRODUCTION

An inspection of the West Lake Sanitary Landfill was conducted on January 15, 1986, to assess compliance with applicable requirements pursuant to the Missouri Solid Waste Management Law. Joe Haake, Environmental Specialist, represented the Missouri Department of Natural Resources - St. Louis Regional Office. Mr. Dale Hillman represented the facility.

UNSATISFACTORY FEATURES

Daily, intermediate, and final cover were lacking over various areas of the site.

DISCUSSION

At the time of the inspection landfilling was being conducted in the northwest section of the newly permitted expansion area. Solid waste was being pushed down the steep slope at the working face making it difficult to achieve good compaction. The twelve (12) foot thick layer of compacted soil had not been placed along the quarry wall. However, no waste had been deposited along the wall. The operation will progress eastward tying into the north slope. Landfilling will then begin in the quarry pit.

Adequate daily cover was not being placed over the lower section of the active area, apparently due to the steep slope. Intermediate cover had eroded from the northern slope exposing a large amount of waste. Waste was also exposed in a completed section below the treatment plant polishing cells in permitted area 118908.

The leachate collection/treatment system was operational. Leachate is pumped from the collection well to the treatment unit on a periodic basis. However, the exact volume of leachate pumped from the well is unknown due to a faulty metering system. The gas collection/destruction system was also operating during the inspection.


Preparations are being made for expansion of the landfilling operation into the quarry pit. The number 1 leachate collection sump was being constructed during the inspection and the soil embankment, providing initial hydraulic isolation between areas 1 and 2, was partially complete. Water from the ready-mix plant had been diverted to the southwest section (area 2) of the quarry pit. Ponded surface water was observed between the maintenance garage and the completed north section of the landfill. It was apparent that during periods of heavy rain surface water enters the working face of the landfill. It was indicated that a catch basin will be constructed in this area to prevent surface water flow into the landfill. The collected water will be pumped to the proposed sump just east of the crusher operation.

RECOMMENDATIONS

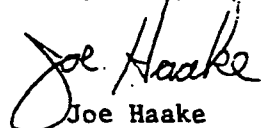
1. Apply adequate daily cover to the active landfilling area, additional intermediate cover to the eroded north slope, and additional final cover to the completed area below the polishing cells.
2. Install the twelve (12) foot thick layer of compacted soil along the northwest quarry wall.
3. Take necessary action to prevent surface water from flowing into the working face of the landfill.

Should you have any questions concerning this inspection report, please contact the St. Louis Regional Office.

APPROVED:


F. Donald Maddox
Regional Administrator
St. Louis Regional Office

PREPARED BY:


Joe Haake
Environmental Specialist II
St. Louis Regional Office

FDM/JH/mc

MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

Annual Inspection ☐
Re-inspection ☒

SANITARY LANDFILL SURVEILLANCE RECORD

Date: 1-15-86 Days/Week Open: 6
Name of Sanitary Landfill: WEST LAKE SANITARY LANDFILL
Permit No: 118912 County: ST. LOUIS
Owner: WEST LAKE LANDFILL, INC. Operator: WEST LAKE LANDFILL, INC.
Address: 13570 ST. CHARLES ROCK RD Address: 13570 ST. CHARLES ROCK RD
BRIDGETON 63042 BRIDGETON 63042

I. Special Conditions and Approved Modifications

- A. Are there any special conditions or approved modifications of the satisfactory compliance subsections of the rules and regulations? (e.g. impermeable barrier, limited excavation, exceptions to daily cover requirements)
X Yes No
- B. Is the sanitary landfill operation in compliance with the special conditions or approved modifications? (If "No," describe violations under "REMARKS")
X Yes No

II. Check Types of Waste Accepted

	INDICATED ON PERMIT APPLICATION	REPORTED BY OPERATOR	AS OBSERVED
Municipal solid waste	<u>X</u>	<u>X</u>	<u>X</u>
Bulky waste	<u>X</u>	<u>X</u>	<u>X</u>
Dead animals			
Incinerator residue	<u>APPROVED</u>	<u>X</u>	<u>X</u>
Demolition and construction waste			
Brush and untreated wood waste			
Septic tank pumpings			
Wastewater treatment plant sludges			
OTHER SLUDGES (SPECIFY)			
LIQUIDS (SPECIFY)			
INDUSTRIAL PROCESS WASTES (SPECIFY)			
HAZARDOUS WASTES (SPECIFY)			
OTHER WASTES (SPECIFY)			

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WASTE MANAGEMENT
PROGRAM

III. Remaining Life of Landfill

- A. Estimated amount of solid waste coming through gate.
Compacted loads ~6000 yds/wk tons/wk
Noncompacted loads yds/wk tons/wk
- B. Estimated volume of remaining landfill covered by approved engineering plans.
 acre feet 25 years

INSPECTION FORM
DISTRIBUTION LIST

Owner X
Operator X
City BRIDGETON
County Court
Consulting Engineer
Solid Waste Program CO-WMP
Regional Office File X
Others ST. LOUIS CO HEALTH

IV. Satisfactory Compliance Subsections Regulations 80-3.010

Check all subsections: SAT — Satisfactory; UNS — Unsatisfactory. (If necessary describe "UNS" violations under "Remarks.")

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(2) SOLID WASTE ACCEPTED			
(2)(C)2	Bulky solid waste crushed on solid ground and pushed onto working face near bottom of the cell.	X	
(2)(C)3	Small dead animals covered immediately with soil or solid waste. Large dead animals placed in pit and covered with four feet compacted soil.	X	
(2)(C)4	Disposal of dewatered sludges on working face along with municipal solid waste.	X	
(2)(C)5	Incinerator and air pollution control residues prevented from becoming airborne.	X	
(3) SOLID WASTE EXCLUDED			
(3)(C)1	No unpermitted waste accepted.	X	
(3)(C)2	Sign posted at entrance listing excluded wastes.	X	
(4) SITE SELECTION			
(4)(C)1	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X	
(6) WATER QUALITY			
(6)(C)1	Surface water courses and runoff properly diverted from the landfill. Sanitary landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X	
(6)(C)2	Leachate collection and treatment systems utilized where necessary to protect ground and surface water resources.	X	
(6)(C)3	No ground or surface water in contact with solid waste.	X	
(7) AIR QUALITY			
(7)(C)	No open burning without written permission of the proper air pollution agency and the Division.	X	
(8) GAS CONTROL			
(8)(C)	Implementing decomposition gas control plan as necessary to prevent problems.	X	
(9) VECTORS			
(9)(C)	Vector control programs implemented when necessary to prevent or rectify vector problems.	X	
(10) AESTHETICS			
(10)(C)1	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the daily cell at the end of each day or containerized.	X	
(10)(C)2	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X	
(10)(C)3	On-site vegetation and natural windbreaks being utilized to improve appearance and operation of the sanitary landfill.	X	

SUBSECTION NUMBER	SATISFACTORY COMPLIANCE OPERATING PROCEDURE	SAT	UNS
(10) AESTHETICS (Continued)			
(10)(C)4	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X	
(11) COVER MATERIAL			
(11)(C)1	Daily cover applied regardless of weather in not less than a six inch layer. Cover material available in all weather conditions.		X
(11)(C)2	Intermediate cover applied to all areas idle for more than 60 days in a layer not less than one foot after compaction.		X
(11)(C)3	Final cover applied on each area as completed in a layer not less than two feet after compaction.		X
(12) COMPACTION			
(12)(C)1	Adequate equipment on-site, operated daily.	X	
(12)(C)1A	Solid waste spread in layers not to exceed two feet and confined to smallest practical area.	X	
(12)(C)1B	Wastes compacted to smallest practical volume.	X	
(12)(C)1C	Cover material compacted as much as practical.	X	
(12)(C)2	Preventive maintenance performed.	X	
(12)(C)3	Daily task operating manual provided.	X	
(13) SAFETY			
(13)(C)1	Fire extinguishers provided on oil equipment.	X	
(13)(C)2	Provisions for extinguishing fires in waste, equipment, and structures.	X	
(13)(C)3	Communication equipment available.	X	
(13)(C)4	Scavenging prohibited.	X	
(13)(C)5	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X	
(13)(C)6	Traffic controlled and directed to designated disposing points.	X	
(13)(C)7	Site dust controlled for safety purposes and to prevent nuisances.	X	
(14) RECORDS			
(14)(C)1A	Records of major problems and complaints.	X	
(14)(C)1B	Monitoring record maintained. a. leachate sampling and analyses. b. gas sampling and analyses. c. ground and surface water analyses.	X	
(14)(C)1C	Records of vector control efforts.	X	
(14)(C)1D	Records of dust and litter control efforts.	X	
(14)(C)1E	Records of quantity of waste handled.	X	
(14)(C)1F	Records of description, sources, and volume of special wastes listed in Subsection (3)(A).	X	

V. Operation Proceeding in Accordance with Approved Engineering Plans? (If "NO," describe violations under "Remarks.")

X Yes No

REMARKS DAILY, INTERMEDIATE, AND FINAL COVER LACKING OVER
VARIOUS AREAS OF THE LANDFILL.

(Attach additional sheets as necessary.)

BY

Joe Hooks

SIGNATURE OF INVESTIGATOR